



**TRUST BLUE**

- Over 200 years of experience in the production of individual tool solutions
- Competent and targeted advice by experienced key account managers
- Maximum economic efficiency value thanks to innovative solutions





TRUST BLUE

## Added value with PFERD on all channels

You will find more than **innovative tools** in PFERD packaging. **Visit us online** and see your **added value with PFERD on all channels**. Discover **valuable information about our tools and applications** and keep in contact with us.

Whether online or personally on site – **your PFERD sales representative will be happy to help you** optimize your processes and answer all your questions about cutting and surface finishing.

You will find information about our innovative products and services on our website.



[www.pferd.com](http://www.pferd.com)

## The jumping HORSE

PFERD (the German term for horse) is leading in the **development, production and support**, as well as in the **distribution**, of tool solutions for **work on surfaces and material cutting**. In keeping with a **tradition** that dates back more than 200 years, PFERD operates as an independent, internationally oriented, **family-owned company** geared towards the long term.

PFERD tools offer the user **maximum benefit and optimum cost-effectiveness**. Its unlimited commitment to **premium quality**, its **reliability** as a supplier and its **responsible use of resources** all make PFERD a dependable and reliable **trading partner that operates with sustainability in mind**.



## The most important tool from PFERD: The Tool Manual

With over 8,500 tools for **work on surfaces** and material **cutting**, PFERD offers the **ideal tool solution** for every application.

Request your own free personal copy at [www.pferd.com](http://www.pferd.com).



## Better PFERD

**Quality** is directly connected with **benefit** and **customer satisfaction**. That's why PFERD researches and develops **innovative, high-performance products**.

Our own **machine and plant construction**, and the continuous testing and further development of the **quality and safety standards** in our own laboratories all guarantee the proverbial **PFERD quality**. As a founder member of the "**Organisation for the Safety of Abrasives (oSa)**", PFERD also offers the **highest possible levels of safety** for the user by constantly monitoring manufacturing in all PFERD production facilities worldwide.

PFERD **quality management** is **certified** according to ISO 9001.



## PFERDVALUE – Your added value with PFERD

Results from the PFERD test laboratories as well as from the product tests by independent testing institutes prove: PFERD tools offer measurable added value.

Discover **PFERDERGONOMICS** and **PFERDEFFICIENCY**:

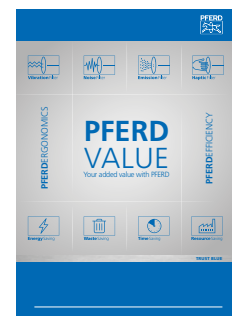
As part of **PFERDERGONOMICS**, PFERD offers ergonomically optimized tools and tool drives that contribute to greater safety and working comfort, and thus to health protection.



As part of **PFERDEFFICIENCY**, PFERD offers innovative, high-performance tool solutions and tool drives with outstanding added value.



For more information on this topic, please refer to our brochure "**PFERDVALUE** – Your added value with PFERD".





Today, the world's airlines convey nearly a billion passengers – year in, year out. The aerospace and gas turbine industry combines a **high level of innovation** with **demanding technology**, which then finds applications in many other industrial sectors. Electronics, robotics, measurement, material and control technology, mobile networks, navigation systems in cars, live broadcasts of sporting and political events, global video conferencing and global environment and climate research would all be impossible without the pioneering efforts of this industry.



**Perfection and maximum possible safety** are the measure of all things in the aerospace and gas turbine industry. Quality and durability are the first priority – without compromise and for each individual component. The precision and uniformity of all processing steps is as important as careful control during machining processes for the special materials used in the manufacturing process.

The processing and precise knowledge of the specific wear and performance characteristics of the materials used are a challenge for every supplier and are essential for the manufacture and maintenance of aircraft, engines, gas turbines and their components. PFERD tools meet the high requirements of the materials to be worked and of the different machining processes. In addition, for individual and very often difficult machining tasks, special tool variants are developed in collaboration with the aerospace and gas turbine industry.



## Our commitment to safety and service

PFERD's high quality standards are the foundation for innovative, high-performance products. Research and development, our own machine and plant construction, as well as the continuous testing and further development of the quality and safety standards in our own laboratories guarantee high PFERD quality.

In addition to the high quality standards, occupational safety and health as well as ergonomics play a prominent role. PFERD quality management is certified according to ISO 9001.

As a founder member of the "Organisation for the Safety of Abrasives (oSa)", PFERD offers the highest possible levels of safety for the user by constantly monitoring manufacturing, along with standard-compliant production and labelling of all products, in all PFERD production facilities worldwide.





As a tool manufacturer with over 200 years of experience, PFERD enjoys a comprehensive know-how in the manufacture of tool solutions. The findings from our internal research and development, as well as from day-to-day practice on site with our customers, contribute to the development of each individual PFERD tool.

Our production plant in Marienheide works with state-of-the-art technology and there are many ways in which we can respond to individual needs.

If you cannot find the solution for your particular application in our comprehensive product range, we are happy to produce tools in premium PFERD quality to meet your wishes and requirements.

Our sales representatives, technical advisers and key account managers will be happy to assist you in the analysis of your tasks. Your specifications and wishes can thus be taken into account.



## 1. Process analysis and tool development

**Contact us** to arrange an appointment with our experienced sales representatives and technical customer support team.

**You can find our worldwide sales addresses at [www.pferd.com](http://www.pferd.com).**

Our employees will **analyse your application with you on-site** and develop the most economic individual tool solution for you! You will then receive a quote.

## 2. Production

Our production teams subsequently create a technical drawing, with the help of which your made-to-order product will be produced.

Each tool is **supplied in premium PFERD quality**. From the inspection of raw materials, through inspections during the course of production by our staff, up to the final optical inspection of each individual tool, we always work to the highest standards.

The quality of PFERD tools is certified according to ISO 9001.

## 3. Use

Our flexible production and global logistics network ensure that you receive your new tool on time. If you have any further questions relating to the optimization of your applications or to the improvement of the working environment, our sales representatives will be happy to help.

**Convince yourself of quality, performance and economic value of PFERD tools.**

## Examples of custom PFERD tools



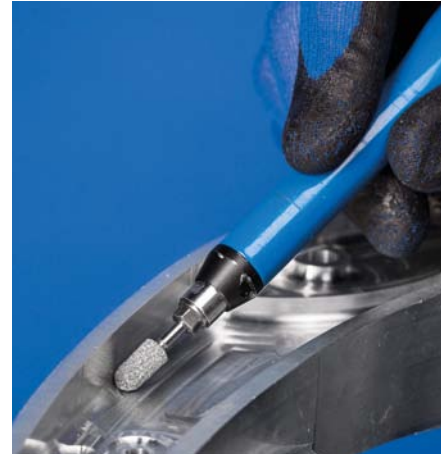
# PFERD tools for the aerospace and gas turbine industry

Applications and materials

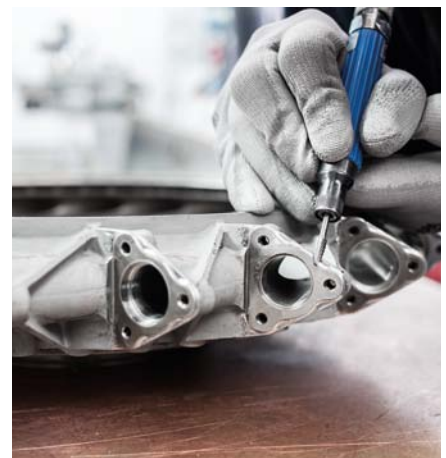
PFERD tools are used in the manufacture and maintenance, repair and overhaul (MRO) of civil and military aircraft, jet engines, gas turbines and their components, serving in diverse processes such as cutting, grinding, milling, filing, brushing, polishing as well as cleaning, deburring and producing defined surface finishes.



Weld dressing of radii on inner edges with POLICAP abrasive caps, types A, CO-COOL and SiC-COOL.



Surface finishing of a diffuser with POLINOX cross buffs PNST and conical tungsten carbide burrs with radius end.



TOUGH mounted points are specifically designed for weld dressing on repair welds and reworking on turbine blades during aircraft maintenance.

Diamond needle files are suitable, for example, for work on cooling holes.







Cleaning and  
machining slots  
with a diamond  
grinding point.



Deburring work on  
a rotor with wheel  
brushes of type SiC.



Work on various surfaces with  
COMBIDISC abrasive discs  
with ceramic oxide grain CO-COOL.



Work with a specially  
manufactured tung-  
sten carbide burr.



Removal of coatings  
with a COMBIDISC  
diamond abrasive disc.



